

RECLAMATION

Managing Water in the West

MT DROUGHT ADVISORY COMMITTEE MEETING RESERVOIR AND RIVER OPERATIONS

March 15, 2012



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



U.S. Department of the Interior
Bureau of Reclamation

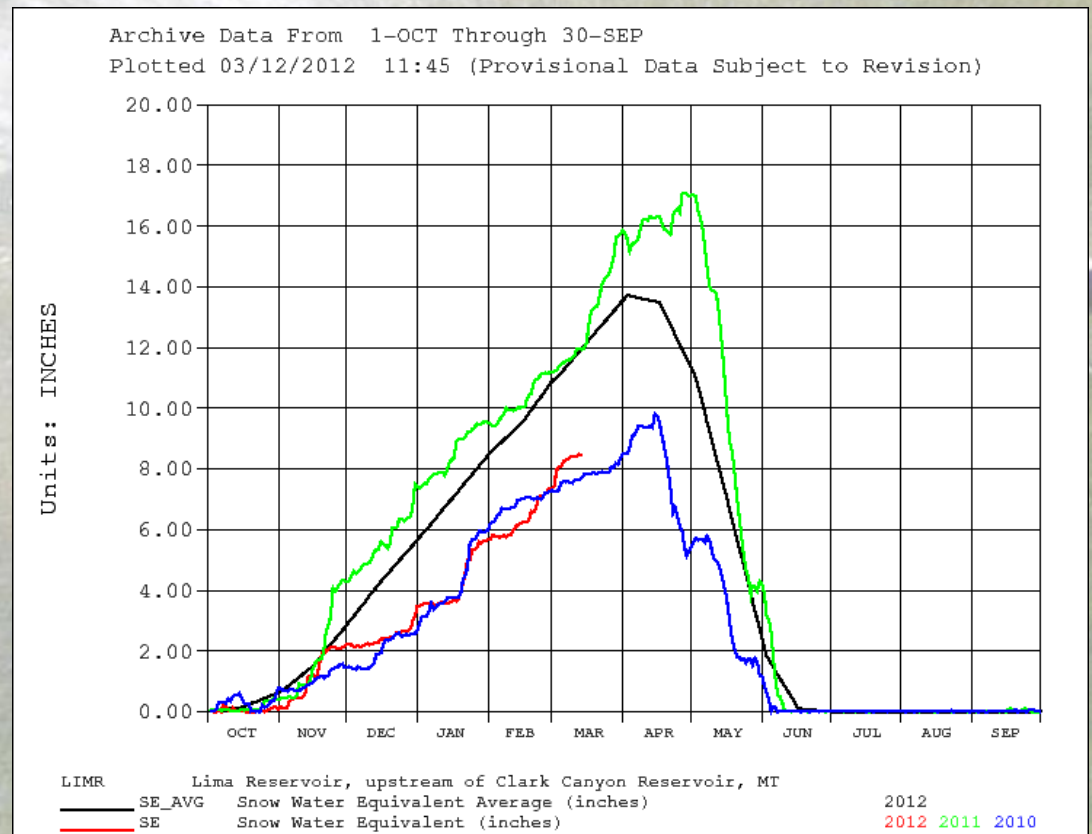


RECLAMATION

Managing Water in the West

Lima Reservoir

Snowpack @ 70% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

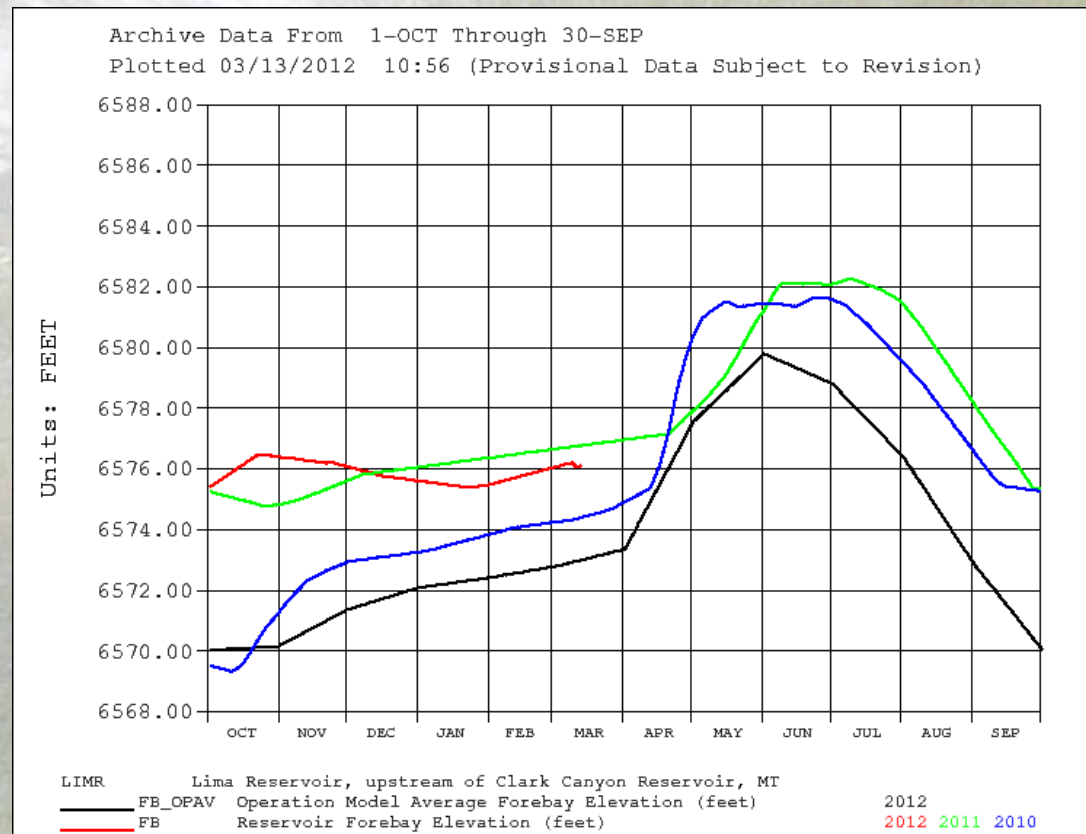
Lima Reservoir

Inflows to Lima are currently above average

Storage @ 131% of average & 59% full

Releases are being maintained at 20-25 cfs

Water supply outlook looks favorable for water users to receive a full water supply In 2012



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



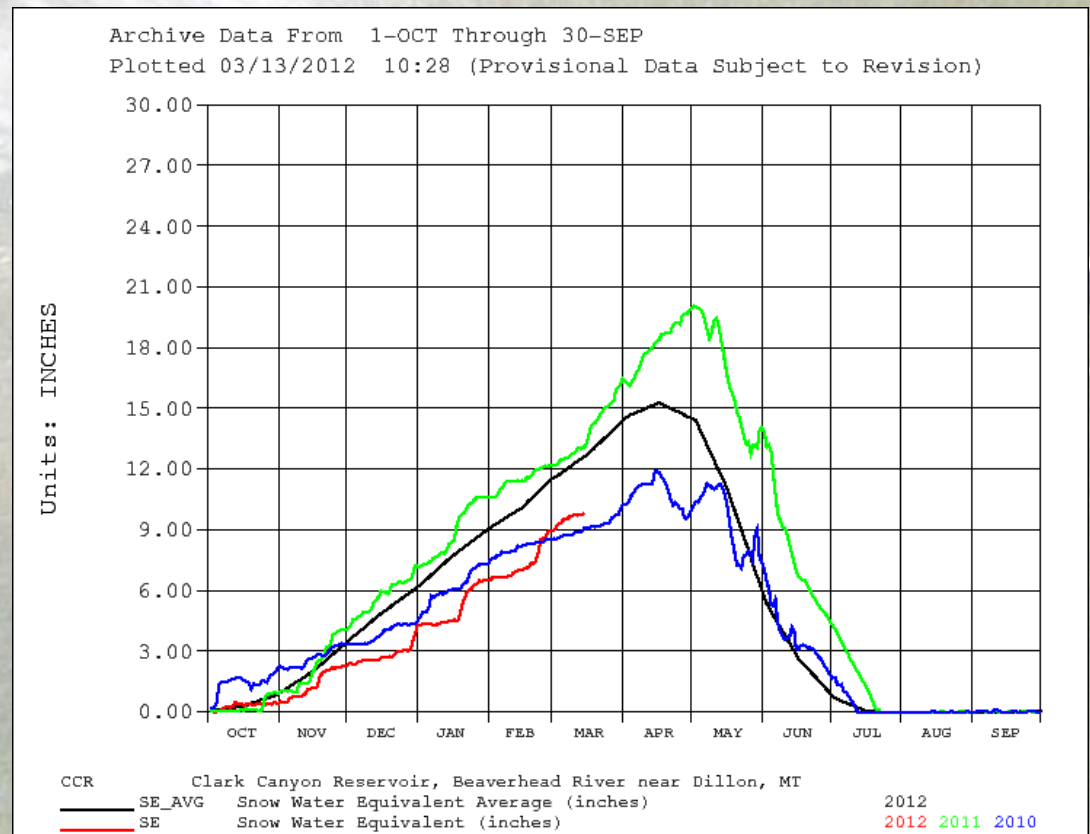
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Clark Canyon Reservoir

Snowpack @ 78% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

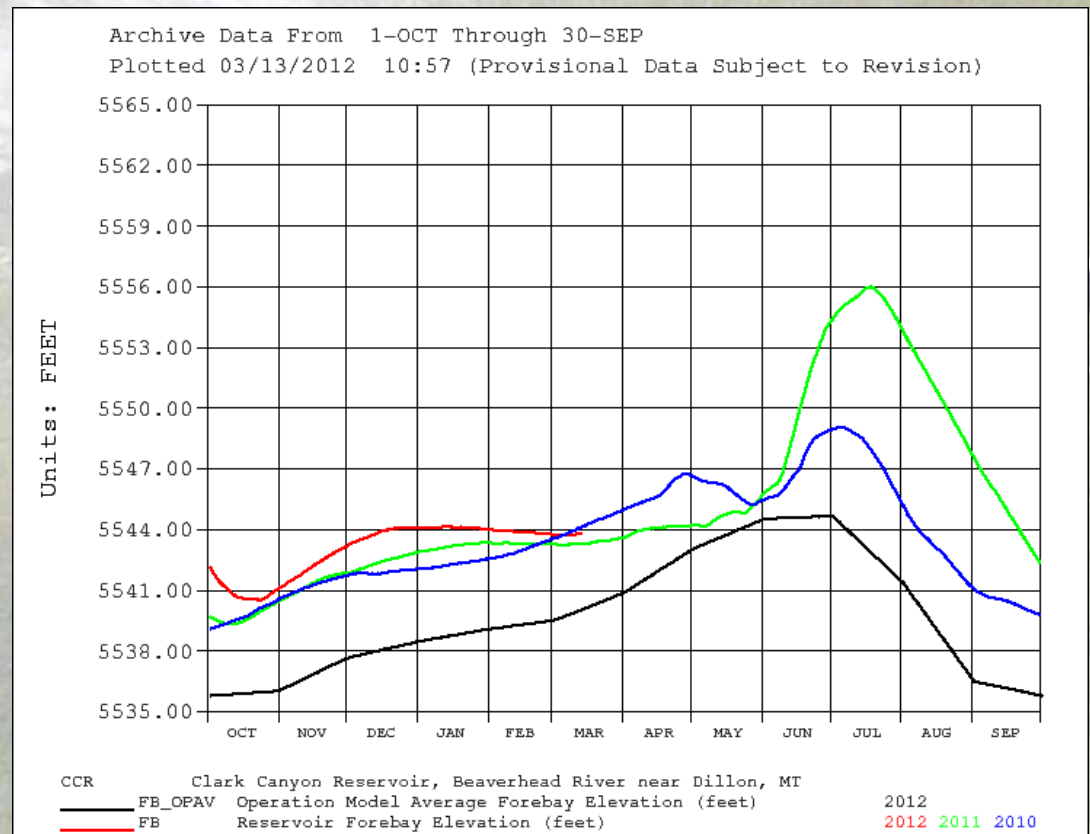
Clark Canyon Reservoir

Inflows to Clark Canyon are 115% of average

Storage @ 113% of average, 93% full, & 0.6 ft or 2,800 af higher than last year

Releases have been reduced to 250 cfs in anticipation of spring runoff into Clark Canyon

Water supply outlook is favorable for EBID & CCWSC to receive full water supply in 2012



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



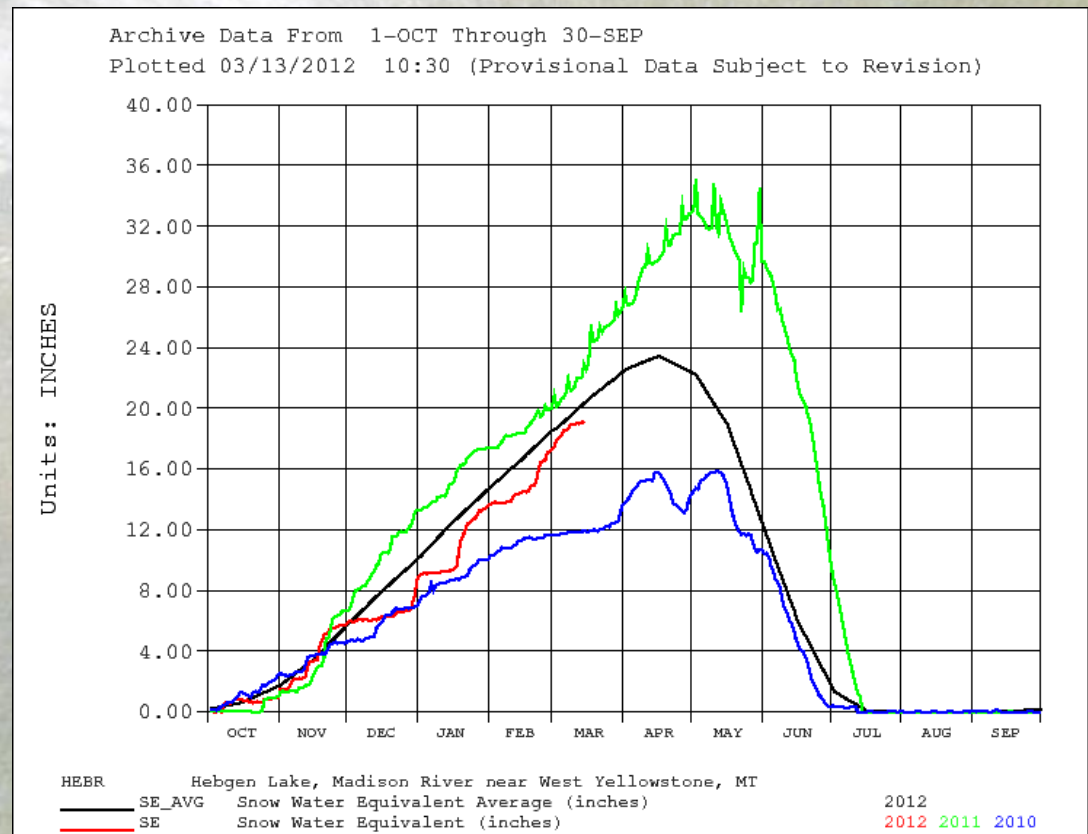
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Hebgen Reservoir (PPL-MT)

Snowpack @ 94% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

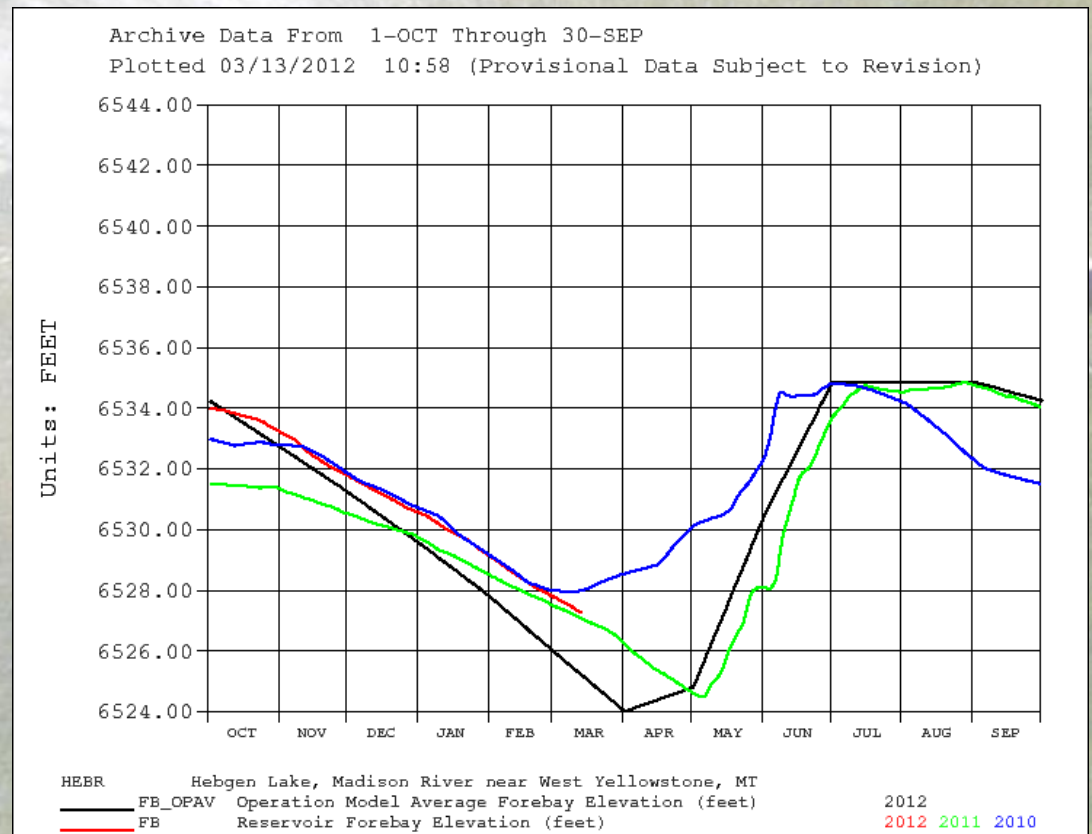
Hebgen Reservoir (PPL-MT)

Currently releasing 1,050 cfs to Madison River

Storage @ 108% of average, 76% full, & 0.2 ft or 1,600 af higher than last year

Reservoir is currently @ elevation at 6527.30 & is expected to continue slowly drop until the beginning of the snowmelt runoff

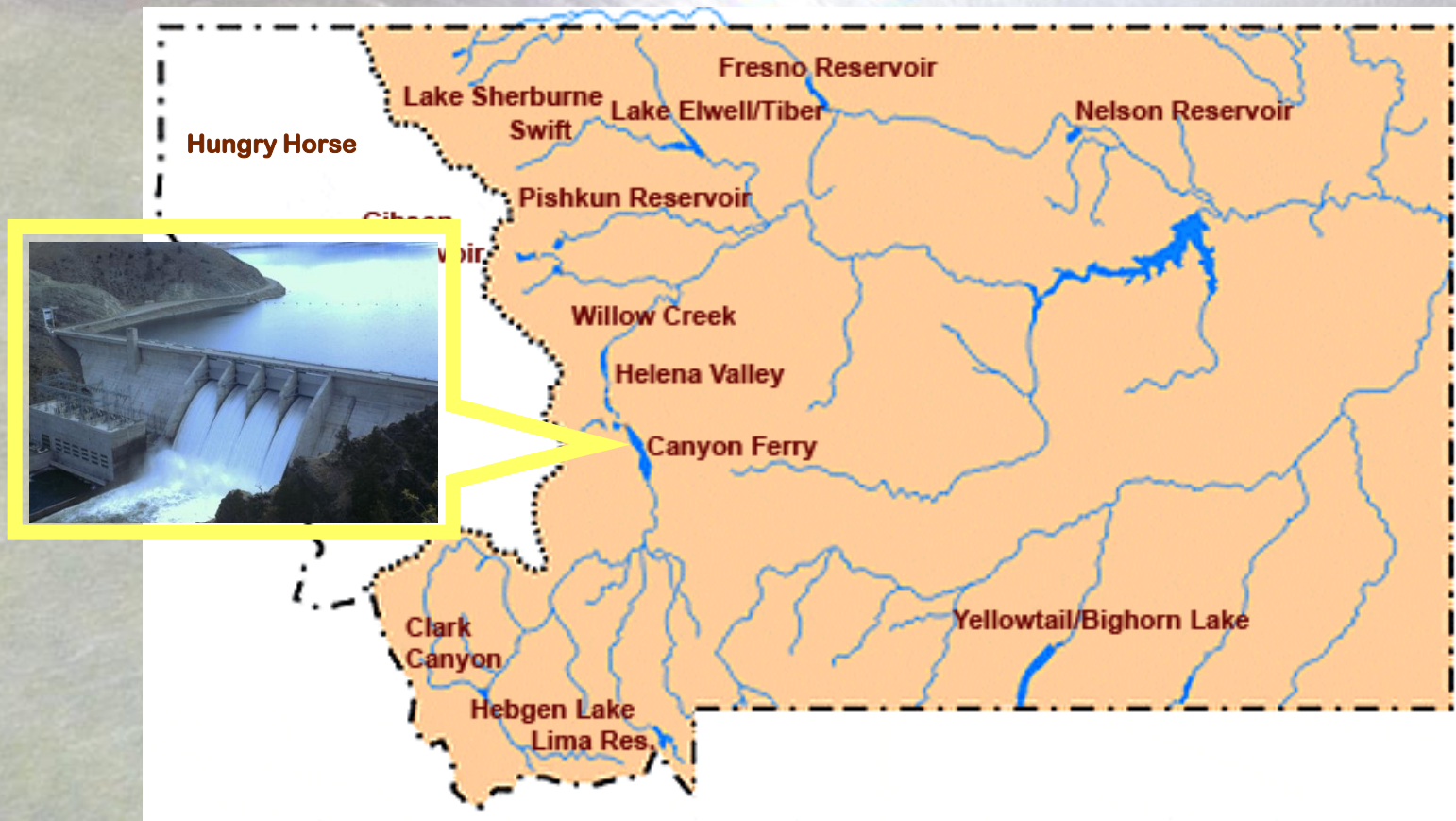
Water supply outlook is good & reservoir is expected to fill



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



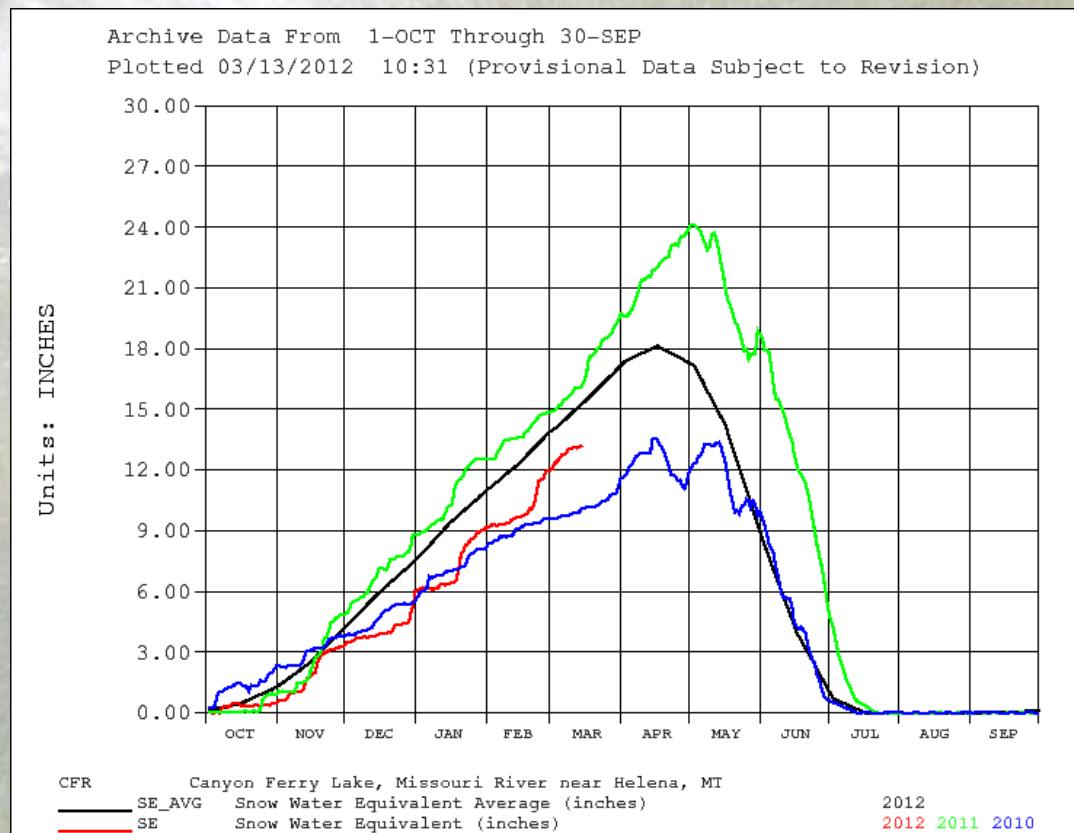
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Canyon Ferry Reservoir

Snowpack @ 86% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Canyon Ferry Reservoir

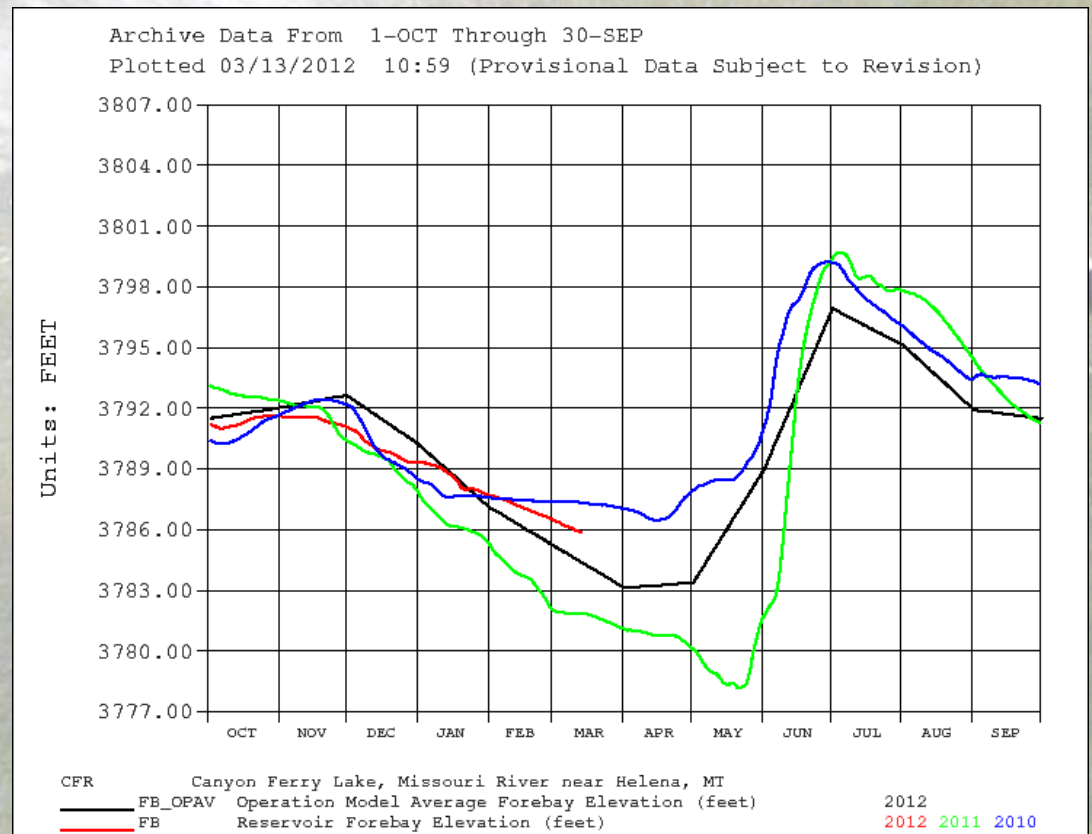
Inflows @ 111% of average

**Storage @ 103% of average,
81% full, & 4.0 ft higher than last
year**

**Releases to the Missouri River
are being maintained near 4,900
cfs**

**Expect storage to fill to normal
full pool by end of June**

**Water supply outlook is
favorable for maintaining
releases above 4,100 cfs all year**



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



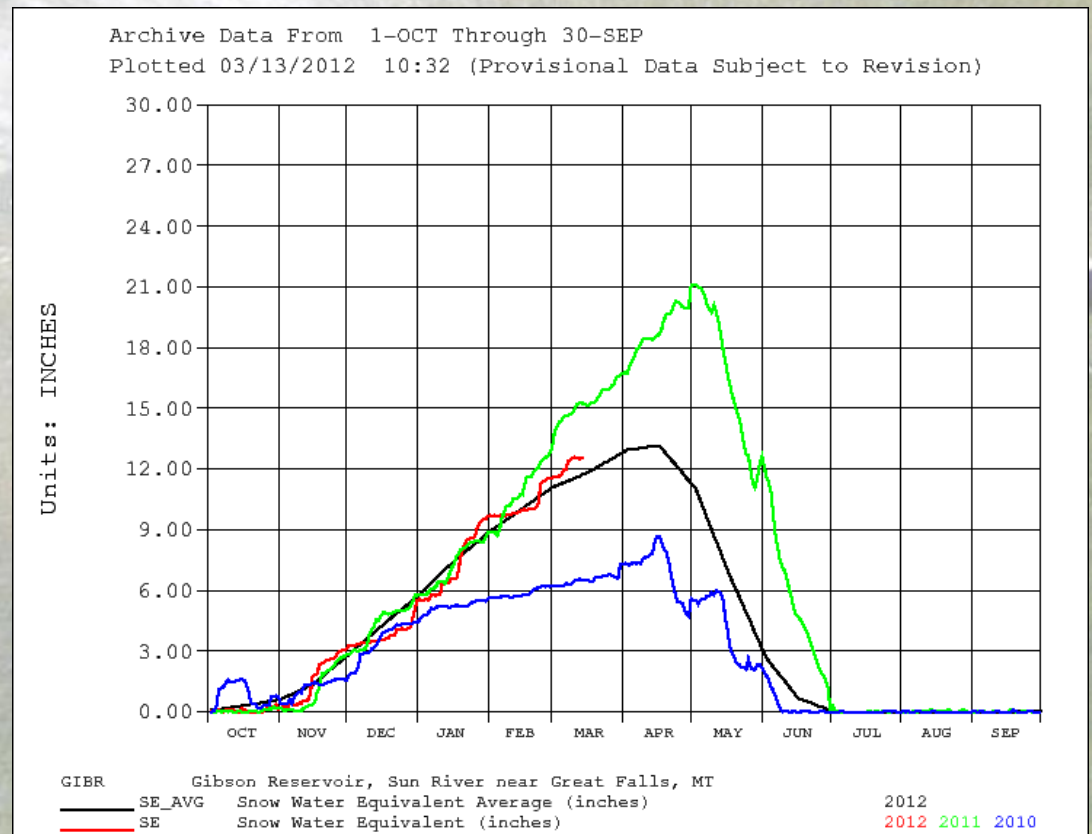
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Gibson Reservoir

Snowpack @ 107% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Gibson Reservoir

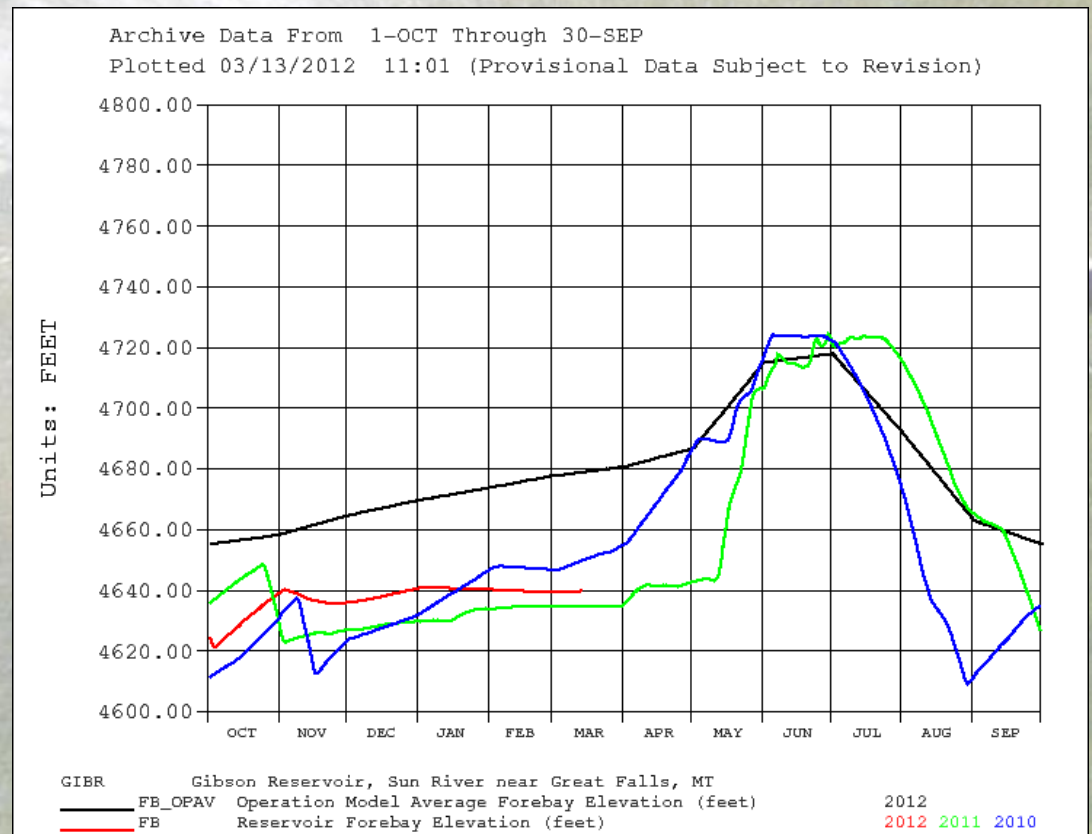
Inflows are 83% of average

Storage @ 41% of average, 20% full, and 5.2 ft or 2,800 af higher than last year

Storages in Willow Creek & Pishkun Reservoirs are 137% & 104% of average for this time of year

Releasing 145 cfs to Sun River

Expect to fill Gibson in late May or early June and water users are expected to receive a full water supply this year



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



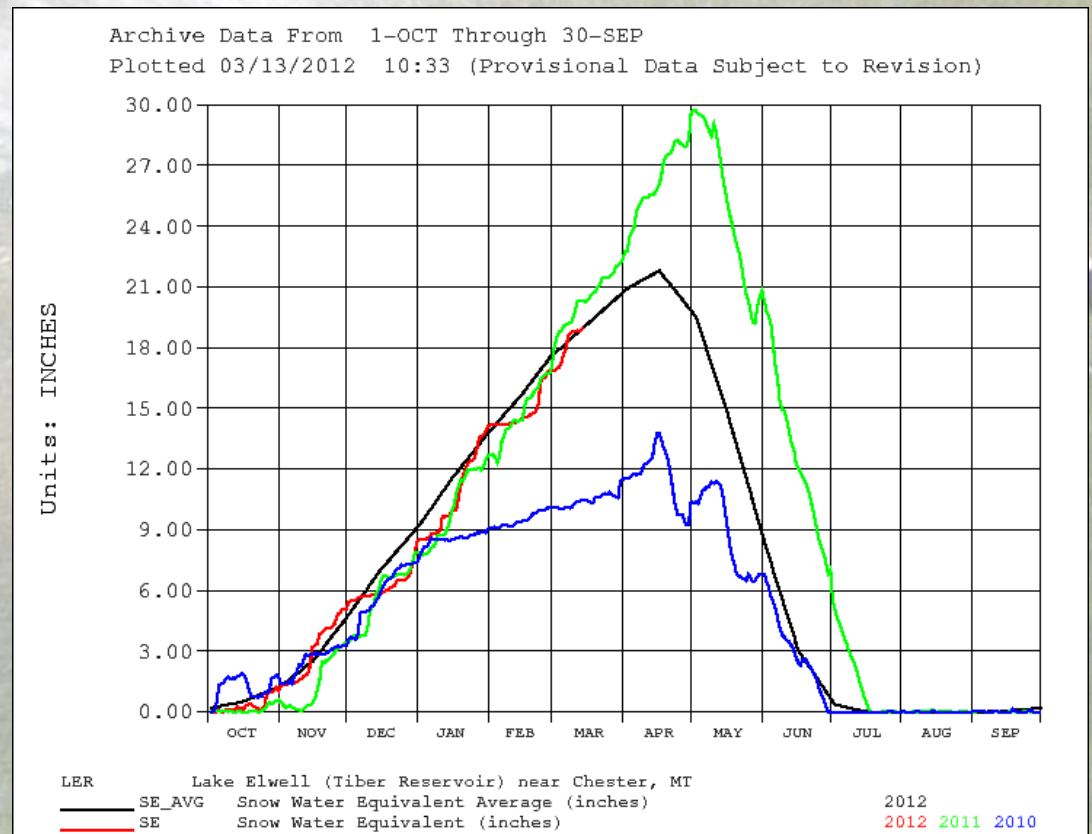
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Tiber Reservoir – Lake Elwell

Snowpack @ 101% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Tiber Reservoir – Lake Elwell

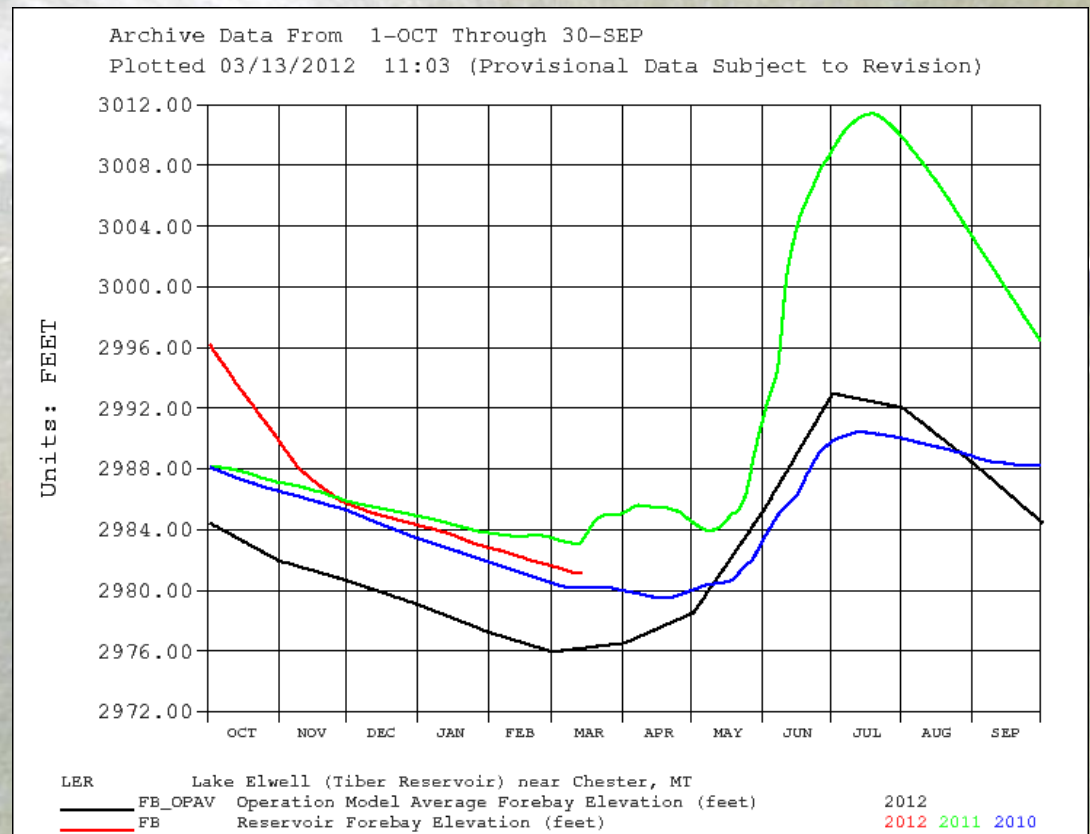
Inflows are about 80% of average

Storage @ 110% of average, 79% full and 2.1 ft lower than last year

Maintaining releases at 575 cfs in preparation for the spring snowmelt runoff

Tiber is expected to fill to the top of the normal full pool by mid-to-late June

Water supply outlook is good



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



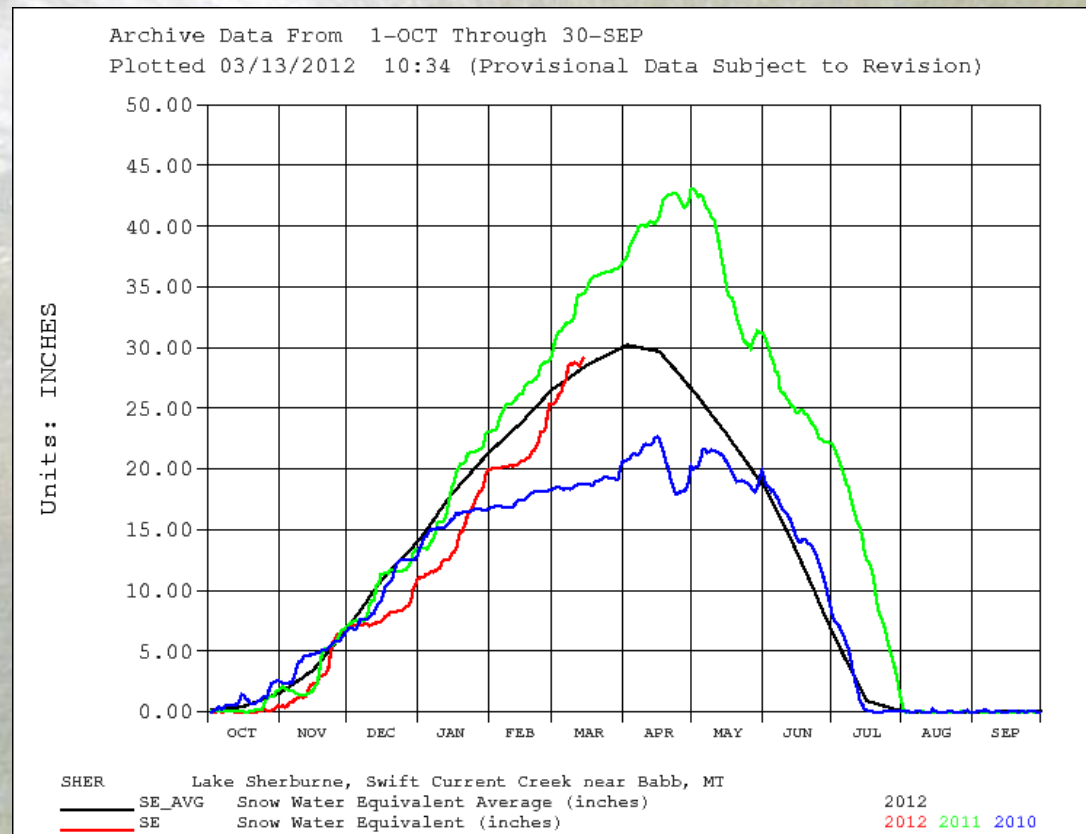
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Lake Sherburne

Snowpack @ 105% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

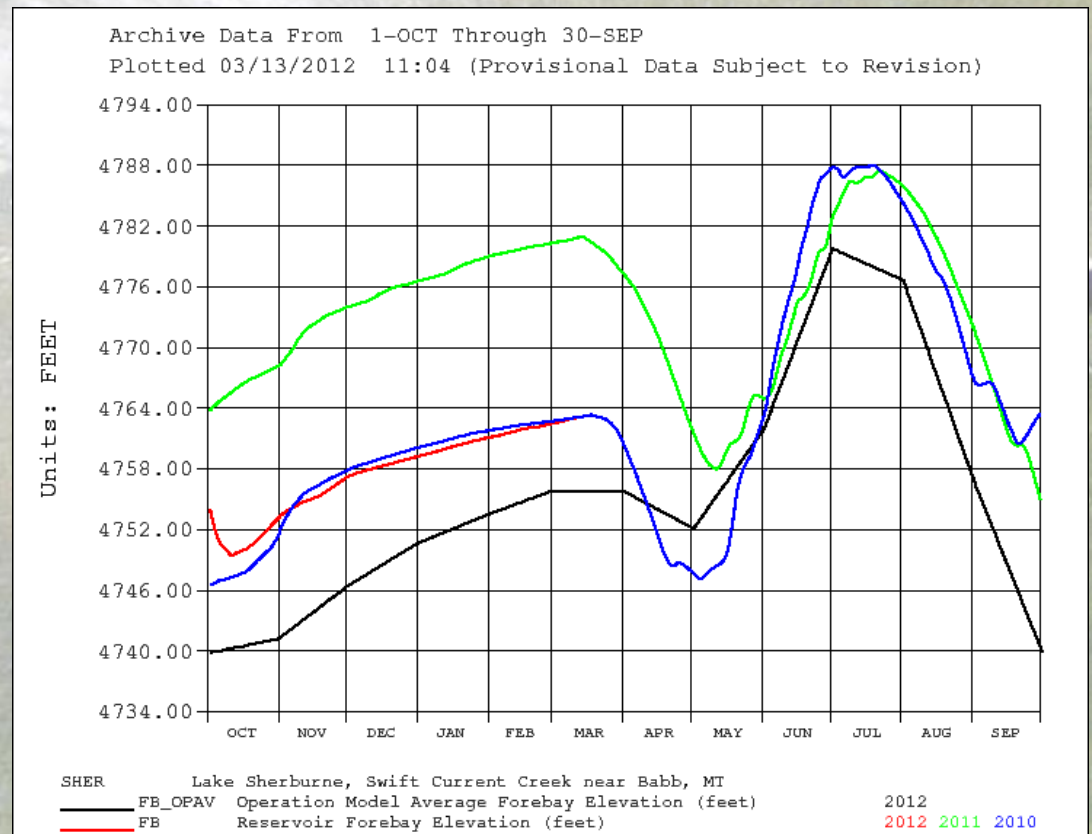
Lake Sherburne

Inflows are about 55% of average

Storage @ 137 percent of average, 46% full, and 17.8 feet or 24,000 af lower than last year

Currently no releases are being made from Lake Sherburne

Water supply outlook for Milk River Project is good & all water users are expected to receive a full water supply this year



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



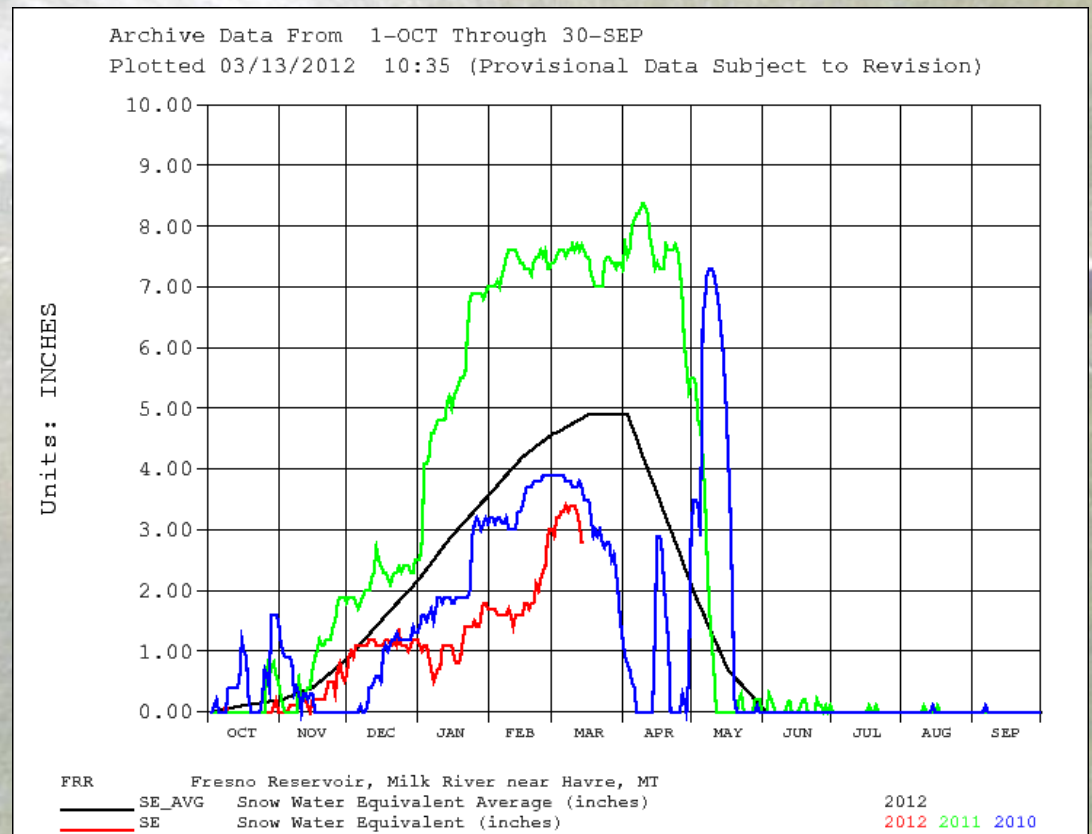
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Fresno Reservoir

Snowpack @ 58% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Fresno Reservoir

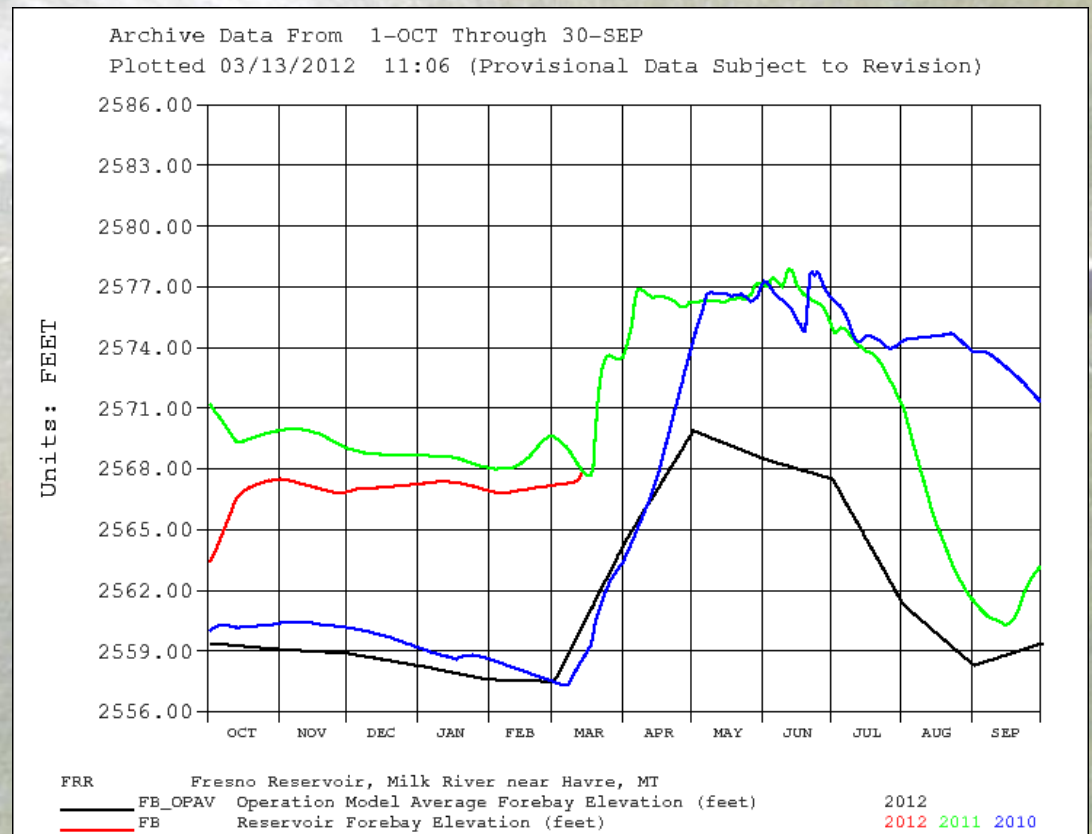
All diversions from the St. Mary Basin to Milk River are @ 0 cfs.

Storage @ 151% of average, 69% full, and 0.1 ft or 400 af lower than last year

Currently releasing 45 cfs to the Milk River

Storage is expected to slowly fill over the next couple of months

Water supply outlook is good and all water users are expected to receive a full water supply this year



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



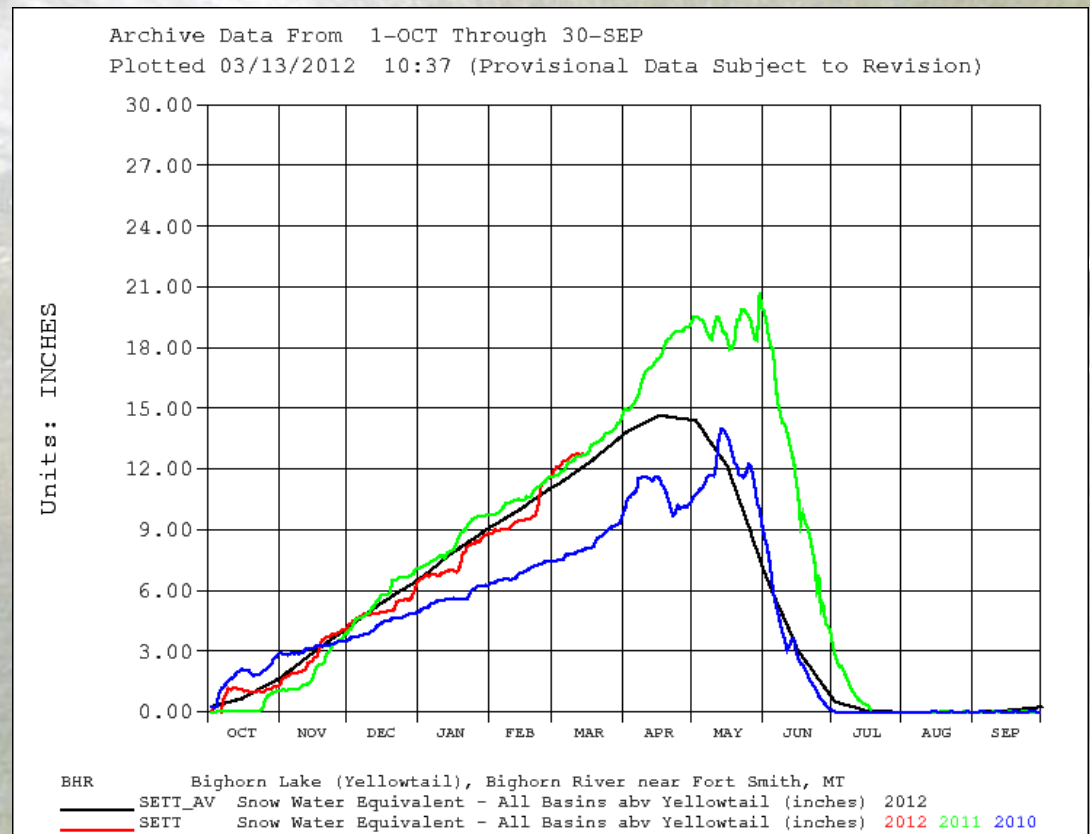
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Bighorn Lake (Yellowtail Reservoir)

Snowpack @ 105% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Bighorn Lake (Yellowtail Reservoir)

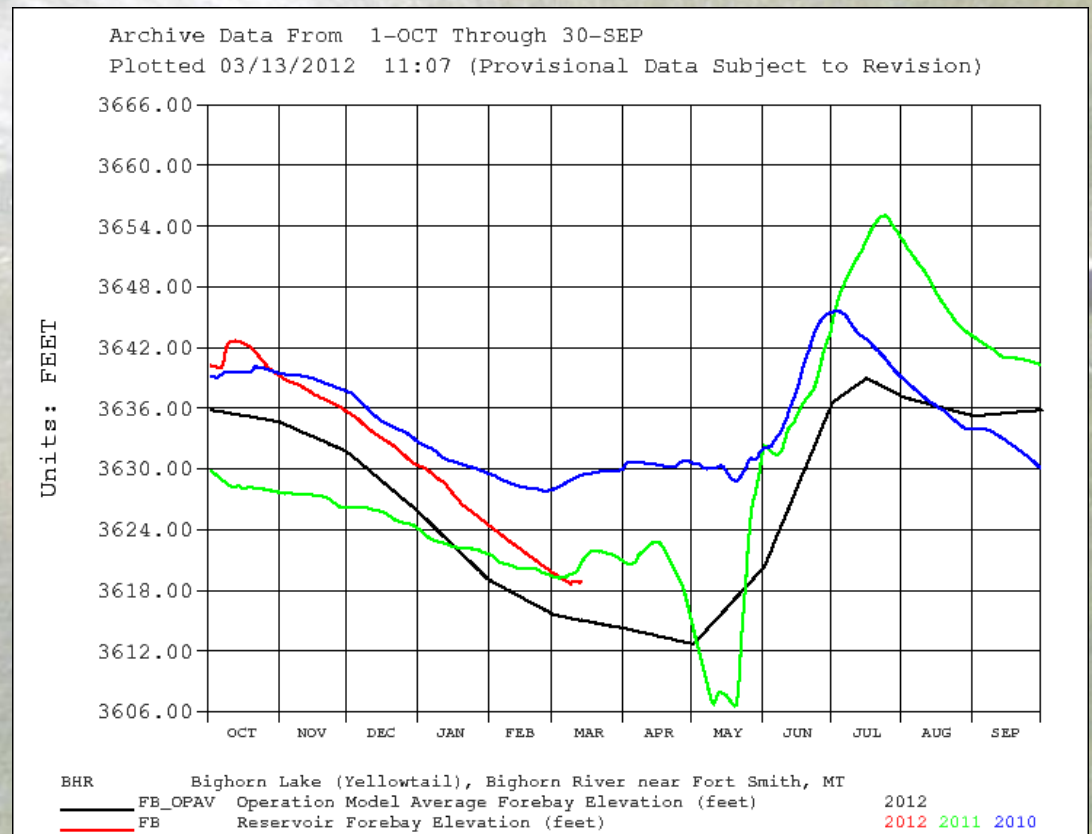
Inflow @ about 135% of average

Storage @ 104% of average, 81% full, and 2.0 feet lower than last year

Releasing 3,000 cfs to Bighorn River

Expect to fill Bighorn Lake in early July and maintain a release @ or above 2,500 cfs all year

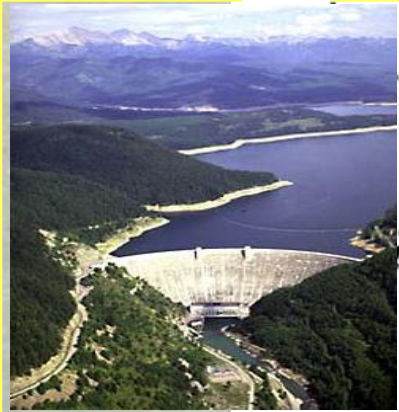
Water supply outlook is good



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West



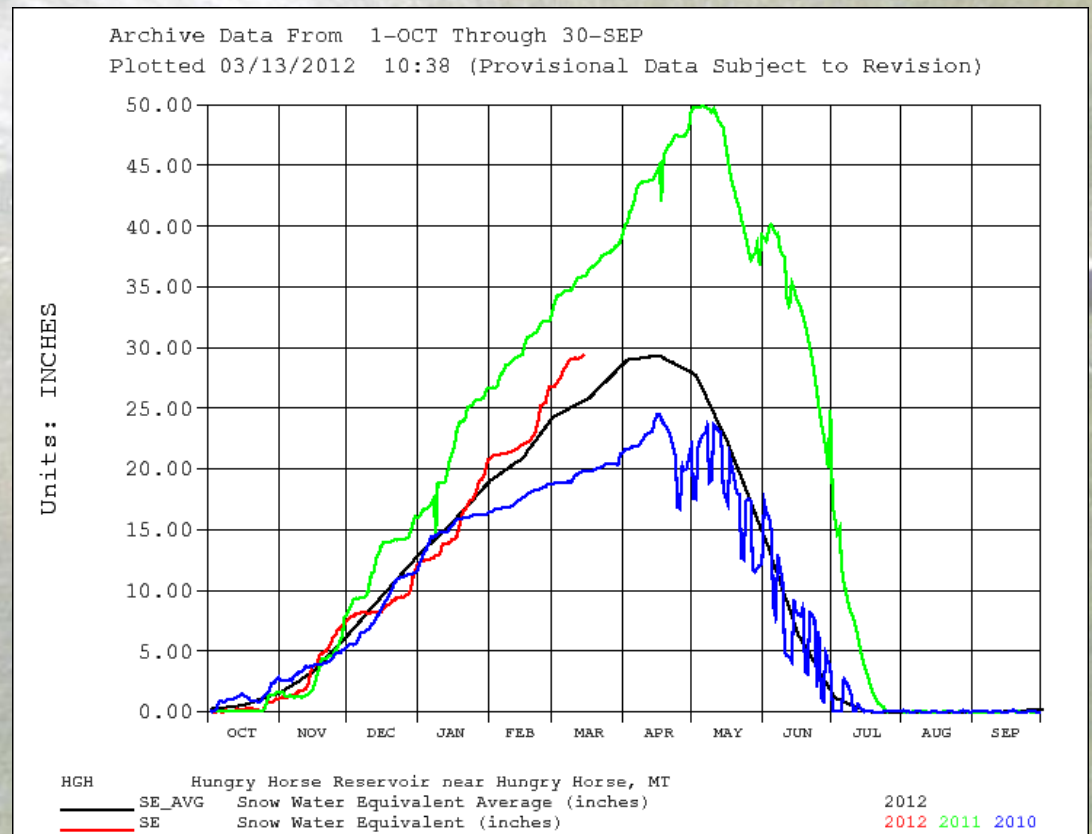
U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Hungry Horse Reservoir

Snowpack @ 115% of average



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

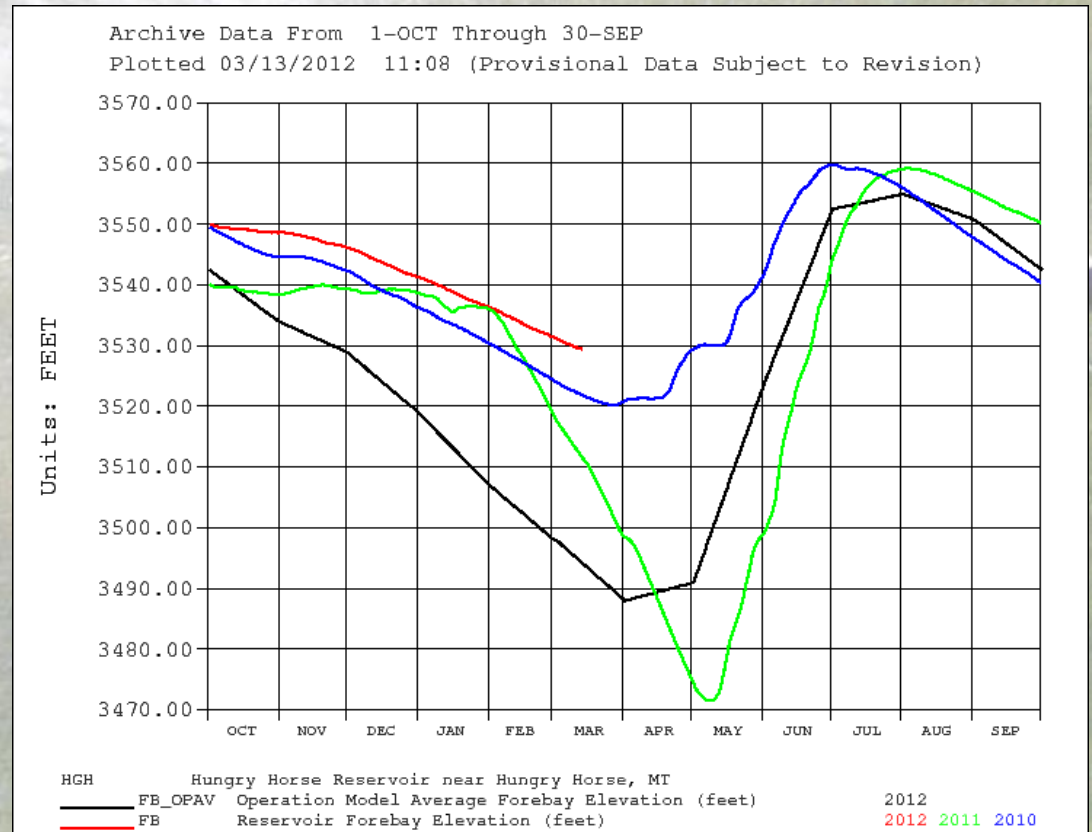
Managing Water in the West

Hungry Horse Reservoir

Storage @ 131% of average &
80% full

Releasing 1,850 cfs to the South
Fork of the Flathead River

Plan are to continue evacuating
storage until mid May and then
allow Hungry Horse to gradually
fill by mid to late July



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

BUREAU OF RECLAMATION PROJECTS

Current Conditions - March 14, 2012

Acre-Feet

RESERVOIR NAME	CONTENT KAF	% OF AVG	SNOW WATER CONTENT	% OF AVG	APR-JUL KAF FORECAST	% OF AVG
Clark Canyon	163,100	113	9.84	78	86	79
Canyon Ferry	1,532,900	103	13.25	86	1,566	82
Gibson	18,800	41	12.65	107	432	99
Lake Elwell	735,900	110	19.23	101	399	99
Lake Sherburne	30,800	137	30.00	105	100	98
Fresno Reservoir	64,400	151	2.80	58	85	102
Bighorn Lake	823,700	104	13.49	105	1,344	118



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Summary of Reservoir Conditions

- Operations are continuing in accordance with Rule Curve objectives.
- With exception of Gibson, all reservoirs are at above normal pool levels for this time of year.
- All Reclamation water users are expected to receive full water supplies this year.
- At this time, no major changes in operations at Reclamation reservoirs are anticipated. Reclamation will continue to closely monitor hydrologic and climatic conditions and will be prepared to make sudden changes if necessary.



U.S. Department of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

Reclamation's Internet Website

<http://www.usbr.gov/gp/water/>

- near real-time data available through the HYDROMET data system
- summaries and plots of historical data
- annual reservoir operating plan publication
- monthly water supply reports
- project data
- snow plots
- links to related internet sites



U.S. Department of the Interior
Bureau of Reclamation